Index to Volume IV

American Gas Association Monthly 1932

Authors

A	Page	Issue
Adams, E. C.—Circulating Heaters, Subcommittee Report	347	Aug.
Allen, G. W.—History of Canadian Gas Association	207	May
Alrich, Herbert W.—British Institution Reports on Gas Holder Maintenance	430	Oct.
Ambrose, A. W.—Governing Factors of Natural Gas Products	517	Dec.
B		
Banks, F. M.—Dealer Cooperative Activities on the Pacific Coast	512	Dec.
Blythe, Jesse—History of Missouri Assn. of Public Utilities	74	Feb.
Bowyer, E. V.—Modernized Gas Cooking Equipment Dealer Aid in Meeting Fuel Competition	250	June
Boyes, Kurwin R.—Cumulative Index of Rate Structure Committee Reports—1921-1932	500	Dec.
Brezee, C.—What a House Heating Salesman's Manual Should Contain	125	Mar.
C		
Cadby, John N.—History of Wisconsin Utilities Assn.	262	June
Caster, H. O.—Recent Rate Regulatory and Tax Legislation Affecting Natural Gas	247	June
Chapin, C. H. B.—History of Empire State Gas and Elec. Assn.	474	Nov.
Clevenger, Keith—A. G. A. Advertising Helps to Promote Gas Cooking	81	Feb.
New Window and Store Display Makes Striking Appeal	121	Mar.
Production, Sales, Dealer and Tax Problems Feature Natural Gas Sessions	227	June
Cliff, Herbert E.—History of New Jersey Gas Assn.	24	Jan.
Conner, R. M.—Gas and Electricity for Domestic Heating Purposes	181	May
Gas and Electric Ranges	411	Oct.
What the Gas Industry Has to Offer the Engineer	59	Feb.
Corsiglia, John—Determination of Pressure Drop through Gas Fittings and Controls on Gas Appliances	91	Mar.
Cortelyou, George B.—Editorial: Peace Time Patriotism	278	June
Experience and its Interpreters	139	Apr.
D		
Davies, Ernie—Do You Want to Sell More Gas?	393	Sept.
DellPlain, Morse—A Few Thoughts on Load Building	252	June
Trade Relations from the Executive's View Point	96	Mar.
Denman, B. J.—Meeting Our Sales Problems	463	Nov.
Devlin, E. J.—Household Test of a Slow Recovery Water Heater	257	June
Donoghue, P. W.—Plumbers Not Willing Gas Companies Stop Merchandising	111	Mar.
Drinker, Cecil K., M.D.—Resuscitation, Drowning, Electrocution and Asphyxia	12	Jan.
E		
Edwards, Leroy M.—Legislation Prohibiting Utility Companies Selling Appliances	383	Sept.
Ewing, Scott—Electrital Methods for Estimating the Corrosiveness of Soils	356	Aug.
F		
Forward, Alexander—Buncombe: Answer to an Editorial	232	June
Manufacturers' Activities of Increasing Importance	427	Oct.
Morale of Gas Industry Remains Unbroken	455	Nov.
Frymoyer, W. W.—Saturation Measurement and Control in Gas Lines	240	June
G		
Gallagher, R. W.—Public Utilities in the Changing Order	205	May
Why the Gas Industry Is Assured Continued Growth	99	Mar.
Gallagher, T. J.—Utility Merchandising Helps the Dealer	395	Sept.
Gregg, R. C.—Determination of Pressure Drop through Gas Fittings and Controls on Gas Appliances	91	Mar.
Griffith, F. L.—Customers Relations as Affected by Change to Mixed Gases	478	Nov.
Griffith, Karl F.—Attitude of State Utility Commissions toward the Utility Companies	477	Nov.
H		
Haas, R. E.—Gas—The Fuel for the Machine-Made House	309	July
Hartman, H. W.—A. G. A. Convention to Reflect Upward Trend	323	Aug.
Henry, Hall M.—Holding the Cooking Load	267	June
Hinkley, Elsie E.—Trends in Home Service	394	Sept.
Hodge, William H.—Finds Gas Companies Maintaining Advertising Expenditures in 1932	485	Nov.
Hudson, W. A.—Birmingham Steps Out with Gas Range "Style Show"	192	May
J		
Johnstone, Clifford—Pacific Coast Gas Assn.—History	390	Sept.
Johnston, J. G.—Canada Sees New Future for Gas	56	Feb.
Jones, W. L.—Gas Heat Sales Visualizer Published Cooperatively by Four Companies	506	Dec.
K		
Kleinmaier, Ruth H.—Load Building and Kitchen Planning	433	Oct.
Knapp, K. R.—Report Progress on Pipe Joint Research	194	May
Kyle, Robert—Commercial Products from Natural Gas	293	July

L

	Page	Issue
LEINROTH, J. P.—Selling Industrial Gas in Present-Day Competitive Market	483	Nov.
LOUCKS, ARTHUR H.—The Gas Industry—in Three Reels	291	July

M

	Page	Issue
MADDEN, DR. JOHN T.—"Taxes—the Perpetual Theme of Popular Complaint"	456	Nov.
MALONE, J. A.—Advertising as Applied to Industrial Gas Sales	143	Apr.
Display Possibilities in Industrial Gas	503	Dec.
MCKAY, EDWARD F.—Oklahoma Utilities Association History	161	Apr.
MCKEARIN, JOHN J.—"Tip Card" Satisfies Company and Employee	439	Oct.
MILENER, EUGENE D.—Future Possibilities of Gas Utilization in Industrial Heating Processes	105	Mar.
Recent Trends and Developments in the Use of Industrial Gas	377	Sept.
Research and the Battle of Fuels	70	Feb.
MURPHY, D. W.—Behavior of Steel at Forging Temperatures with Respect to Scaling Losses	330	Aug.
MURDOCK, W. J.—Repairing Water Leak in Inlet Connection of Two Million Cu. Ft. Holder	522	Dec.

N

	Page	Issue
NEALEY, J. B.—Gas Arrives as Fuel for Electrical Generation	67	Feb.
Gas-Fired Unit Bright Anneals Copper Wire in Atmosphere of Steam	336	Aug.
Gas in the Automats	381	Sept.
Gas Used Throughout Ford Finishing Plant	300	July
Highest Pressure Steam Plant Uses Gas	496	Dec.
Low and Medium Temperature Semi-Automatic Furnace	428	Oct.
More Effective Handling of Heat in Gas-Fired Kilns	20	Jan.
Most Modern Skelp Mill Made Possible with Gas	108	Mar.

P

	Page	Issue
PECK, I. K.—Retiring Chairman Reviews Year's Work	487	Nov.
POHLE, HANS A.—Practical Application of the Tetralin Process	314	July

R

	Page	Issue
RANSOM, R. A.—Study of Economics of House Heating Load	201	May
RENSHAW, PAUL—Advertising for Future Sales	35	Jan.
ROBERTS, W. FRANK—How the Modern Gas Range Fits into the New Scheme of Things	481	Nov.
RYAN, PAUL—Monthly Summary of Gas Company Statistics	42	Jan.
	86	Feb.
	132	Mar.
	172	Apr.
	220	May
	272	June
	316	July
	362	Aug.
	400	Sept.
	440	Oct.
	488	Nov.
	524	Dec.

S

	Page	Issue
SCHNEIDEWIND, RICHARD—The Metallurgy of Malleableizing	415	Oct.
SCHROEDER, A. G.—History of Michigan Gas Assn.	510	Dec.
SCOTT, ALBERT W.—New Gas Plant in Basel Is Completed	17	Jan.
SCOTT, W. E.—Stub Plan of Customers' Accounting	306	July
SELLMAN, N. T.—An Executive Viewpoint of Public Utility Service	114	Mar.
Improving the Use of Gas in Industry	461	Nov.
SMYERS, B. H. JR.—History of Penn. Natural Gas Men's Assn.	340	Aug.
SNOW, HERBERT A.—Cooperate with the Gas Companies	469	Nov.
STACY, R. P.—Rendering Duplicate Bills	129	Mar.
STRICKLER, T. J.—Two Trillion Cubic Feet	215	May

T

	Page	Issue
THOMPSON, WILLIAM H.—History of Ohio Gas and Oil Men's Assn.	298	July

V

	Page	Issue
VANDAVEER, F. E.—Design of Combustion Spaces for High Temperature Gas Furnaces	213	May
Minimum Requirements for Gas Burning Household Appliances	355	Aug.

W

	Page	Issue
WEEDON, JOHN F.—Gas Heat Cheaper Than Dirt	396	Sept.
WEEKS, HOWARD F.—Cashing in on the A. G. A. Convention and Exhibition	54	Feb.
WETTER, J. WM.—The Clique	30	Jan.
WHITE, A. E.—The Metallurgy of Malleableization	415	Oct.
WRIGHT, F. R.—American Gas Assn. Research Activities	168	Apr.
Annual Review of A. G. A. Laboratory Activities	465	Nov.
Gas Changes and Appliance Adjustments	146	Apr.
Laboratory Inspection Maintains High Standard of Appliances	397	Sept.
Mixed Gas Research Investigation Completed	521	Dec.
Use of Leak Clamps in Repairing Cast Iron Pipe Joints	5	Jan.

Subjects

A

	Page	Issue
Abell receives support for Chamber of Commerce	104	Mar.
Accident prevention:		
emergency crew equipped with uniforms	305	July
emergency truck aids safety work	18	Jan.
emergency truck used to aid safety work	18	Jan.
Fall River wins plaque	313	July
hangs up safety record	22	Jan.
Pittsburgh group makes record	221	May
public utility men capture awards	22	Jan.
safety items	345	Aug.
	399	Sept.
safety mask approved	266	June
resuscitation, drowning, electrocution and asphyxia —C. K. Drinker	12	Jan.
Sylvester method of resuscitation advocated	199	May

	Page	Issue
Accounting:		
customers' accounting, stub plan of—W. E. Scott	306	July
customers' relations as affected by change to mixed gases—F. L. Griffith	478	Nov.
duplicate bills, rendering—R. P. Stacy	129	Mar.
mechanical office equipment committee compiles helpful information	246	Aug.
committee ends active year	507	Dec.
to be discussed at convention	436	Oct.
meter order form, unusual	391	Sept.
uniform account pamphlet, natural gas	153	Apr.
Addresses, general: see *Gas Industry*		
Adjustment agencies, Oklahoma warns against	171	Apr.
Advertising:		
A. G. A. helps to promote cooking—Keith Clevenger	81	Feb.
"better copy" contest winners	354	Aug.
Cannon wins award	81	Feb.
companies maintain expenditures in 1932—William H. Hodge	485	Nov.
direct mail, new wrinkle in	9	Jan.
for future sales—Paul Renshaw	35	Jan.
Gardiner, E. Frank, heads P.U.A.A.	354	Aug.
Hartford company captures first place in contest	23	Jan.
industrial display possibilities—J. A. Malone	503	Dec.
industrial sales, as applied to—J. A. Malone	143	Apr.
manufacturers plan aggressive campaign	179	May
manufacturers start move for national advertising	124	Mar.
manufacturers to hear range program plans	375	Sept.
outdoor poster attracts attention	8	Jan.
"phantom professor" new note in advertising	399	Sept.
Seattle gas company captures award	435	Oct.
window display "Brooklyn's best bakers use gas"	504	Dec.
gas company wins in 3 contests	344	Aug.
Affiliated association activities	26	Jan.
	76	Feb.
	116	Mar.
	163	Apr.
	210	May
	263	June
	304	July
	343	Aug.
	431	Oct.
	509	Dec.
Affiliated associations, history of:		
Canadian Gas association—G. W. Allen	207	May
Empire State Gas and Electric association—C. H. B. Chapin	474	Nov.
Michigan Gas association—A. G. Schroeder	510	Dec.
Mid-West Gas association	115	Mar.
Missouri Association of Public Utilities—Jesse Blythe	74	Feb.
New Jersey Gas association—Herbert E. Cliff	24	Jan.
Ohio Gas and Oil Men's association—William H. Thompson	298	July
Oklahoma Utilities association—Edward F. McKay	161	Apr.
Pacific Coast Gas association—Clifford Johnstone	390	Sept.
Pennsylvania Natural Gas Men's association—B. H. Smyer, Jr.	340	Aug.
Wisconsin Utilities association—John N. Cadby	262	June
Air conditioning:		
"House That Jack Built" comfortable in summer and winter	426	Oct.
new adsorption material for summer use	204	May
new features in research	322	Aug.
summer air conditioning of residences	50	Feb.
see also *House heating*		

	Page	Issue
American Gas association:		
Britain praises research	464	Nov.
convention		
annual gathering to reflect trend—H. W. Hartman	323	Aug.
confidence marks proceedings	447	Nov.
program of	407	Oct.
vital problems to be discussed at	371	Sept.
convention and exhibition, cashing in on—H. F. Weeks	54	Feb.
employee-customer relations' course see *Education*		
first president heads N. E. L. A.	290	July
issues new list of publications	122	Mar.
managing director's annual report—Alexander Forward	455	Nov.
moves to avert tax on consumers	101	Mar.
nominating committee reports	286	July
president's annual address—R. W. Gallagher	452	Nov.
president sees improvement during 1932	3	Jan.
research activities see *Testing laboratory*		
scholarship awarded at Purdue	460	Nov.
statistics see *Statistics*		
supporting Abell for Chamber of Commerce	104	Mar.
Appliance adjustments, gas changes and—F. R. Wright	146	Apr.
Appliance and equipment developments: see *Manufacturers' activities*		
Appliance fittings and controls, determination of pressure drop through—John Corsiglia and R. C. Gregg	91	Mar.
Appliance testing:		
minimum requirements for household appliances—F. E. Vandaveer	355	Aug.
see also *Testing laboratory*		
A. S. M. E. members guests of Consolidated Gas company	32	Jan.
Awards:		
Cannon wins advertising award	81	Feb.
Dashiell gets Clark medal	233	June
Harper awarded Beal medal at convention	475	Nov.
heroic inspector wins A. G. A. medal	490	Nov.
inventors of respirator receive John Scott medals	25	Jan.
McCarter medals	29	Jan.
	64	Feb.
	112	Mar.
	302	July
	361	Aug.
	392	Sept.
	502	Dec.
Munroe award goes to Cuthrell	486	Nov.
new booklet describes all A. G. A. awards	75	Feb.
Seattle Gas company captures advertising award	435	Oct.

B

Banana room heater proves successful	123	Mar.
Basel plant completed—Albert W. Scott	17	Jan.
Bituminous conference, third proceedings ready	110	Mar.
Book reviews	65	Feb.
	123	Mar.
	145	Apr.
	200	May
	273	June
	313	July
Boston sales conference addressed by leaders	66	Feb.
Brazil experiments with "coffee-gas"	199	May
Bright annealing:		
bright annealing stainless steel	216	May
gas-fired unit bright anneals copper wire—J. B. Nealey	336	Aug.

	Page	Issue
British gas engineers to visit America for 1933 meeting	233	June
British gas men praised by Prince of Wales	376	Sept.
British thermal unit, origin of	389	Sept.
Brooklyn Union honors Jourdan	495	Dec.
Burner adjustments, gas changes and—F. R. Wright	146	Apr.
Butane plant in Oregon nears completion	16	Jan.
By-Products:		
commercial products from natural gas—Robert Kyle	293	July
C		
Canadian Gas association, history of—G. W. Allen	207	May
Canada sees new future for gas industry—J. G. Johnston	56	Feb.
Carbonization, Britain praises A. G. A. research in	464	Nov.
Carbonizing:		
comparison of small and large scale experimental apparatus	523	Dec.
properties of Pittsburgh and Alabama coals	432	Oct.
studies of Bureau of Mines and A. G. A.	388	Sept.
Carlisle, Floyd L., heads Consolidated Gas board	124	Mar.
Ceramic research, progress report on	123	Mar.
Chemical society, abstracts of papers before	154	Apr.
Clevenger, Keith, enters merchandising field	490	Nov.
Clique, The—J. William Wetter	30	Jan.
Coals:		
Britain praises A. G. A. research	464	Nov.
bulletin ready on chemical composition of	119	Mar.
Pittsburgh and Alabama, carbonizing properties of	432	Oct.
tar formation, research shows temperature effect on	508	Dec.
Columbia system executives meet at Dayton	345	Aug.
"Combustion" book has record sales	388	Sept.
Combustion bulletins released by committee	471	Nov.
Committees—why? when? where? how?	10	Jan.
Competitive practice:		
Buncombe! (answer to an editorial)—Alexander Forward	232	June
Consolidated Gas company honors war dead	525	Dec.
Consumers Gas company has paid dividends for 84 years	498	Dec.
Controls, determination of pressure drop through—J. Corsiglia and R. C. Gregg	91	Mar.
Convention, A. G. A.:		
confidence marks proceedings	447	Nov.
gathering to reflect trend—H. W. Hartman	323	Aug.
program of	407	Oct.
vital problems to be discussed at	371	Sept.
Cooking:		
aboard the U. S. S. Akron	162	Apr.
A. G. A. advertising helps to promote—Keith Clevenger	81	Feb.
book gives new slant	516	Dec.
Buncombe! (answer to an editorial)—Alexander Forward	232	June
gas and electricity for domestic purposes—R. M. Conner	181	May
gas to cook on "Macon"	423	Oct.
holding the cooking load—Hall M. Henry	267	June
modern equipment aids dealer—E. V. Bowyer	250	June
radio school grows	217	May
see also *Domestic load* and *Ranges*		
Cortelyou elected head of N. E. L. A.	290	July
Court decision:		
New York court rules gas range is not fixture	122	Mar.
Cracking process developed	299	July
Customer relations as affected by change to mixed gases—F. L. Griffith	478	Nov.
Customer relations course:		
see *Education*		
D		
Dealer cooperation:		
activities on the Pacific Coast—F. M. Banks	512	Dec.
cooperate with gas companies—H. A. Snow	469	Nov.
legislation prohibiting utility merchandising—L. M. Edwards	383	Sept.
master plumbers find merchandising plan successful	325	Aug.
New York appliance dealers' sales increase	122	Mar.
plumbers not willing gas companies stop merchandising—P. W. Donohue	111	Mar.
trade relations from the executive's viewpoint—Morse DellPlain	96	Mar.
utility merchandising helps the dealer—T. J. Gallagher	395	Sept.
Dealer relations, trolley as an aid to	73	Feb.
Display, striking appeal made by new window and store—Keith Clevenger	121	Mar.
Distribution conference:		
attracts many engineers—K. H. Cree	219	May
engineers plan to attend	119	Mar.
has attractive program	166	Apr.
will take place in Birmingham	82	Feb.
Distribution system, use of tetralin process in—H. A. Pohle	314	July
Doherty opens new building	234	June
Domestic load:		
holding the cooking load—Hall M. Henry	267	June
load building, a few thoughts on—Morse DellPlain	252	June
load building and kitchen planning—Ruth H. Kleinmaier	433	Oct.
meeting our sales problems—B. J. Denman	463	Nov.
see also *Cooking*		
Home service		
E		
Education:		
A. G. A. course at Rutgers grows in importance	502	Dec.
A. G. A. employee-customer relations course		
grads form society	313	July
Lone Star employees win prizes for talks	342	Aug.
making friends for the industry	424	Oct.
Mike, street foreman plus	77	Feb.
plans to improve customer relations	4	Jan.
price lowered	238	June
A. G. A. scholarship divided again	49	Feb.
Brooklyn Polytechnic gas engineering course	303	July
domestic gas appliance course	217	May
	239	June
	352	Aug.
employees set high mark in Rutgers gas course	232	June
engineering scholarships, appeal for	200	May
fuel technology courses at Columbia	402	Sept.
household appliances summer course at Columbia university	217	May
meter school		
attendance grows	476	Nov.
to open	78	Feb.
New York university course in domestic gas appliances	34	Jan.
Oklahoma gas course announced	133	Mar.
Southwestern gas measurement course at U. of Oklahoma	266	June
wins A. G. A. scholarship at Purdue university	460	Nov.
Electrical generation with gas as fuel—J. B. Nealey	67	Feb.
Empire State Gas and Electric association, history of—C. H. B. Chapin	474	Nov.
Employee training:		
see *Education*		
Engineering handbook proves success	434	Oct.
Engineer, what the gas industry offers the—R. M. Conner	59	Feb.

	Page	Issue
Exhibitions:		
appliances attract attention at Toronto	504	Dec.
appliances displayed at Master Plumbers' exposition	325	Aug.
Birmingham has gas range show—W. A. Hudson	192	May
cashing in on the A. G. A. exhibition—H. F. Weeks	54	Feb.
gas plant equipment display at British industries fair	63	Feb.
industry to exhibit at Master Plumbers' convention	266	June
manufacturers play big part at Cleveland exposition	169	Apr.
manufacturers to exhibit at Cleveland	40	Jan.
Experience and its interpreters—G. B. Cortelyou	139	Apr.
F		
Fittings, determination of pressure drop through—John Corsiglia and R. C. Gregg	91	Mar.
Ford finishing plant uses gas—J. B. Nealey	300	July
Foreign:		
American publications listed in France	145	Apr.
Brazil experiments with "coffee-gas"	199	May
Brazil gas plant uses low-grade fuel	312	July
British association to meet at Leeds	339	Aug.
British engineers to visit America for 1933 meeting	233	June
British gas men praised by Prince of Wales	376	Sept.
British industrial leader dies	126	Mar.
British Institution president finds gas industry here prosperous	289	July
British thermal unit, origin of	389	Sept.
Germany is world's third largest user of gas	98	Mar.
Great Britain sells more gas	437	Oct.
"London Gas Journal" reports good record	165	Apr.
Paige honored by International Gas Union	107	Mar.
Paris gas, the truth about	387	Sept.
Prague produces 36 per cent of its country's gas	238	June
Swedish output grows	386	Sept.
Franchises, Oklahoma towns grant 25 in 1931	123	Mar.
Forging:		
see *Industrial*		
Furnaces:		
design of combustion spaces for high-temperature furnaces—F. E. Vandaveer	213	May
see also *Industrial*		
G		
Gas company has attractive float	233	June
Gas corporation provides free picnic grounds	301	July
Gas, effect on tree growth	297	July
Gas fuel:		
apartments switch to gas for better service	288	July
for the machine-made house—R. E. Haas	309	July
gas arrives as fuel for electrical generation—J. B. Nealey	67	Feb.
gas heat cheaper than dirt—J. F. Weedon	396	Sept.
used for motor testing	402	Sept.
utilization in industrial heating processes—E. D. Milener	105	Mar.
see also *Domestic* *Industrial*		
Gas industry:		
A. G. A. president sees improvement during 1932	3	Jan.
British Institution head finds U. S. industry prosperous	289	July
Canada sees new future for gas—J. G. Johnston	56	Feb.
continued growth of, why assured—R. W. Gallagher	99	Mar.
Germany is third in production	98	Mar.
in three reels—Arthur H. Loucks	291	July
load building, a few thoughts on—Morse Dell-Plain	252	June
morale remains unbroken—Alexander Forward	455	Nov.
public utilities and the changing order—R. W. Gallagher	205	May
research and the battle of fuels—E. D. Milener	70	Feb.
resourcefulness of—R. W. Gallagher	452	Nov.
what it offers the engineer—R. M. Conner	59	Feb.
Gas plant being built to use Brazilian fuel	312	July
Gas plant completed in Basel—A. W. Scott	17	Jan.
Gas represents modern living	396	Sept.
Germany ranks third in production of gas	98	Mar.
H		
Heating buildings:		
federal buildings install gas	344	Aug.
gas heats Louisiana's state house	523	Dec.
post offices to use gas	345	Aug.
Heat units:		
British thermal unit, origin of	389	Sept.
Historical:		
first use of gas described	40	Jan.
Oklahoma Gas corp. publishes historic map	435	Oct.
origin of word "gas"	436	Oct.
Virginia gas plant located on historic site	49	Feb.
Holder:		
maintenance, British institution on—H. W. Alrich	430	Oct.
old type camouflaged	318	July
repairing water leak in inlet of—W. J. Murdock	522	Dec.
Home service:		
book gives new slant on cooking	516	Dec.
kitchen modernization puppet show	515	Dec.
load building and kitchen planning—Ruth Kleinmaier	433	Oct.
Milwaukee has active program	127	Mar.
president calls workers good will builders	352	Aug.
radio cooking school grows	217	May
trends—Elsie Hinkley	394	Sept.
House cooling:		
see *Air conditioning*		
House heating:		
circulating heaters report—E. C. Adams	347	Aug.
economics of load, study of—R. A. Ransom	201	May
gas and electricity for domestic purposes—R. M. Conner	181	May
gas heat cheaper than dirt—J. F. Weedon	396	Sept.
"House That Jack Built" comfortable in summer and winter	426	Oct.
illuminated holder used in campaign	501	Dec.
local companies to help national advertising contest	328	Aug.
origin of "degree-day"	484	Nov.
rental scheme	435	Oct.
salesman's manual, what it should contain—C. Brezee	125	Mar.
sales visualizer published by four companies—W. L. Jones	506	Dec.
use of gas shows marked gain	19	Jan.
I		
Illumination:		
Cambridge clings to gas lights	152	Apr.
Industrial gas:		
advertising as applied to sales—J. A. Malone	143	Apr.
A. G. A. series reviewed by London "Gas World"	437	Oct.
application of gas to industry		
automats, use of gas in—J. B. Nealey	381	Sept.
bright annealing of stainless steel	216	May
gas-fired kilns, handling of heat in—J. B. Nealey	20	Jan.
gas-fired unit bright anneals copper wire—J. B. Nealey	336	Aug.
highest pressure steam plant uses gas—J. B. Nealey	496	Dec.

	Page	Issue
low- and medium-temperature semi-automatic furnace—J. B. Nealey	428	Oct.
manufacture of spring washers	392	Sept.
modern skelp mill made possible with gas—J. B. Nealey	108	Mar.
purifying tobacco	392	Sept.
textile plants return to gas irons	55	Feb.
use throughout Ford finishing plant—J. B. Nealey	300	July
bibliography	33	Jan.
	311	July
	505	Dec.
display possibilities—J. A. Malone	502	Dec.
future possibilities in heating processes—E. D. Milener	105	Mar.
improving the use of gas in industry—N. T. Sellman	461	Nov.
modernized cooking equipment aids dealer—E. V. Bowyer	250	June
recent trends and development—E. D. Milener	377	Sept.
research		
battle of the fuels—E. D. Milener	70	Feb.
behavior of steel at forging temperatures with respect to scaling losses—D. W. Murphy	330	Aug.
bulletins on combustion problems released	471	Nov.
ceramics progress report	123	Mar.
design of combustion spaces for high temperature furnaces—F. E. Vandaveer	213	May
forging and malleableizing papers to be presented at university	271	June
metallurgy of malleableization, the—A. E. White and Richard Schneidewind	415	Oct.
selling in the present-day competitive market—J. P. Leinroth	483	Nov.

J

Jourdan honored by Brooklyn Union	495	Dec.

K

Kitchen modernization puppet show	515	Dec.
Kitchen planning, load building and—Ruth Kleinmaier	433	Oct.
Koppers, Dr. Heinrich, passes sixtieth birthday	499	Dec.

L

Laboratory:		
see *Testing laboratory*		
Leak clamps, use in repairing cast-iron pipe joints—F. R. Wright	5	Jan.
Legislation prohibiting companies from merchandising—L. M. Edwards	383	Sept.
Lighting:		
Cambridge clings to gas lights	152	Apr.
Liquefied petroleum gases:		
air butane plant in Oregon nears completion	16	Jan.
London "Gas Journal" reports good record	165	Apr.
Lone Star Gas company takes place in Dallas skyline	40	Jan.

M

Malleableizing:		
see *Industrial gas*		
Manhole investigations	476	Nov.
Manufacturers' activities:		
advertising campaign, plan aggressive	179	May
advertising, move for national	124	Mar.
annual conference	339	Aug.
	484	Nov.
appliance and equipment developments	84	Feb.
	222	May
	366	Aug.
	442	Oct.
at Cleveland exposition	169	Apr.
conference to hear plans of range advertising program	375	Sept.
displays		
see *Exhibitions*		
increasing importance of—Alexander Forward	427	Oct.
see also *Ranges*		
Medals:		
see *Awards*		
Merchandising:		
load building, a few thoughts on—Morse DellPlain	252	June
observations—Ernie Davies	393	Sept.
see also *Dealer cooperation*		
Metallurgy:		
metallurgy of malleableization, the—A. E. White and R. Schneidewind	415	Oct.
predicts metallurgy developments will alter banking practice	335	Aug.
Meter readers set record	69	Feb.
	199	May
Meter school attendance grows	78	Feb.
Michigan Gas association, history of—A. G. Schroeder	510	Dec.
Mid-West Gas association, history of	115	Mar.
Mid-West regional sales conference opens in Chicago	83	Feb.
Missouri Association of Public Utilities, history of—Jesse Blythe	74	Feb.
Mixed gas research investigation	396	Sept.
Mixed gas investigation completed—F. R. Wright	521	Dec.
Motion pictures:		
gas industry in three reels, the—A. H. Loucks	291	July

N

Natural gas:		
commercial products from natural gas—R. Kyle	293	July
drilling in Virginia	296	July
enters Syracuse	439	Oct.
governing factors of natural gas products—A. W. Ambrose	517	Dec.
Hoover buys "Natural Gas"	519	Dec.
line completed to San Diego	432	Oct.
recent rate regulatory and tax legislation affecting natural gas—H. O. Caster	247	June
saturation measurement and control in gas lines	240	June
Syracuse line completed	155	Apr.
test starts in Virginia	395	Sept.
two trillion cubic feet—T. J. Strickler	215	May
use spreads in Virginia	345	Aug.
Natural gas convention:		
delegates to see highly developed system	156	Apr.
faces new problems	186	May
pushing program plans for	80	Feb.
vital problems feature sessions—Keith Clevenger	227	June
New Jersey Gas association, history of—H. E. Cliff	24	Jan.
New York plant capacity doubled	90	Mar.
Nominating committee reports	286	July

O

Obituaries:		
Agnew, William N.	222	May
Alquist, Hilmer G.	315	July
Barnes, Albert M.	189	May
Beal, Thaddeus R.	398	Sept.
Bodine, Samuel T.	398	Sept.
Bowers, C. Y.	364	Aug.
Burch, Robert L.	191	May
Clark, John C. D.	191	May
Cline, Walter B.	399	Sept.
Corrin, John B.	438	Oct.
Cowdery, Edward G.	160	Apr.
Crane, William M.	75	Feb.
Doull, Reginald S.	525	Dec.
Duckham, Sir Arthur	126	Mar.

	Page	Issue
Erickson, Halford	190	May
Feustel, Robert M.	265	June
Greenough, Malcolm S.	315	July
Hall, Arthur H.	69	Feb.
Hauck, Anthony B.	399	Sept.
Little, A. B. S.	265	June
McGowan, Henry E.	273	June
Peters, A. J.	31	Jan.
Stacey, Andrew J.	84	Feb.
Thomas, Fred H.	152	Apr.
Thorn, Alexander H.	490	Nov.
Twitchell, Wilbur F.	79	Feb.
Van Brunt, Allison J.	191	May
Von Gemmingen, William G.	516	Dec.
Yorath, C. J.	191	May
Office equipment:		
see *Accounting*		
Ohio Gas and Oil Men's association, history of—W. H. Thompson	298	July
Oklahoma Gas corp. publishes historic map	435	Oct.
Oklahoma Natural aids relief fund	39	Jan.
Oklahoma Utilities association, history of—E. F. McKay	161	Apr.
Oklahoma warns utilities against adjustment agencies	171	Apr.
P		
Paige honored by International Gas Union	107	Mar.
Paris gas, the truth about	387	Sept.
Pennsylvania Natural Gas Men's association, history of—B. H. Smyers, Jr.	340	Aug.
Pensacola has natural gas	39	Jan.
Pipe coatings and corrosion:		
committee meets with manufacturers	522	Dec.
electrical methods for estimating the corrosiveness of soils	356	Aug.
Pipe joints:		
"bell joint clamps" substituted for "leak clamps"	315	July
investigation of mechanical	389	Sept.
research progress—K. R. Knapp	194	May
use of leak clamps in repairing—F. R. Wright	5	Jan.
Pipe lines:		
San Diego natural gas line completed	432	Oct.
Syracuse line completed	155	Apr.
Plant capacity in New York is doubled	90	Mar.
Prague produces 36 per cent of gas consumption	238	June
Pressure drop determination through appliance fittings and controls—John Corsiglia and R. C. Gregg	91	Mar.
Public utilities and the changing order—R. W. Gallagher	205	May
R		
Ranges:		
apartments switch to gas for better service	288	July
Buncombe! (answer to an editorial)—Alexander Forward	232	June
fitting into the new scheme of things—W. F. Roberts	481	Nov.
gas and electric ranges—R. M. Conner	411	Oct.
gas range installed on "Macon"	423	Oct.
modern ranges for modern homes	cover page	Apr.
style, importance of	193	May
Rates:		
commission decisions referring to service charge	110	Mar.
cumulative index of rate structure committee reports—K. R. Boyes	500	Dec.
New York mayors study public service law	297	July
regulatory legislation affecting natural gas—H. O. Caster	247	June
Refrigerators:		
apartments switch to gas for better service	288	July
General Motors to market gas refrigerator	47	Feb.
Refrigeration:		
gas and electricity for domestic purposes—R. M. Conner	181	May
summer air conditioning		
see *Air conditioning*		
Regulation:		
attitude of state utility commissions toward companies—K. F. Griffith	477	Nov.
see also *Rates*		
Respirator inventors receive John Scott medals	25	Jan.
Respirators, Drinker, hospital, installation of	16	Jan.
Resuscitation, drowning, electrocution and asphyxia—C. K. Drinker	12	Jan.
Resuscitation:		
see *Accident prevention*		
Retirement plan set up on Pacific coast	436	Oct.
S		
Safety:		
see *Accident prevention*		
Sales conference, ninth metropolitan regional	212	May
Sales hints:		
tip card satisfies company and employee—J. J. McKearin	439	Oct.
Sales—load building—Morse DellPlain	252	June
Sales problems, meeting our—B. J. Denman	463	Nov.
Sales visualizer published by four companies—W. L. Jones	506	Dec.
Saturation measurement and control in gas lines—W. W. Frymoyer	240	June
Service, an executive viewpoint of—N. T. Sellman	114	Mar.
Servicing:		
gas changes and appliance adjustments—F. R. Wright	146	Apr.
Standardization, manufacturers report on	171	Apr.
Statistics:		
gas for house heating shows marked gain	19	Jan.
monthly summary of gas company statistics—Paul Ryan	42	Jan.
	86	Feb.
	132	Mar.
	172	Apr.
	220	May
	272	June
	316	July
	362	Aug.
	400	Sept.
	440	Oct.
	488	Nov.
	524	Dec.
Stephany, E. J., joins Dallas Power and Light company	218	May
Stoves:		
see *Ranges*		
Syracuse proud of gas service center	386	Sept.
T		
Tar formation, research shows temperature effect on	508	Dec.
Taxation:		
A.G.A. moves to avert tax on gas consumers	101	Mar.
recent legislation affecting natural gas—H. O. Caster	247	June
"Taxes—the perpetual theme of popular complaint"—Dr. J. T. Madden	456	Nov.
Taxes—those taxless towns—(news letter)	370	Sept.
Technical section chairman's annual review—I. K. Peck	487	Nov.
Testing laboratory:		
A.G.A. research activities—F. R. Wright	168	Apr.
annual review of activities—F. R. Wright	465	Nov.
appliance course and conference	239	June

	Page	Issue
design of combustion spaces for high temperature furnaces—F. E. Vandaveer	213	May
gas and electricity for domestic heating purposes—R. M. Conner	181	May
laboratory inspection maintains high standard of appliances—F. R. Wright	397	Sept.
minimum requirements for gas burning household appliances—F. E. Vandaveer	355	Aug.
requirements, research and committee activities	38	Jan.
survey shows how A.G.A. aids stabilization in marketing appliances	63	Feb.
Tetralin process, practical application of—H. A. Pohle	314	July
Trade associations:		
activities classified	429	Oct.
appeal made for support of trade bodies	473	Nov.
reliance of industry on	414	Oct.
Trade relations:		
see *Dealer cooperation*		

U

	Page	Issue
United Gas Improvement co. celebrates fifty years of service	279	July

W

	Page	Issue
Water heating:		
gas and electricity for domestic purposes—R. M. Conner	181	May
gas to heat water on "Macon"	423	Oct.
household test of slow recovery heater	257	June
Who's who:		
DellPlain, Morse	46	Feb.
Wade, Franklin S.	2	Jan.
Window display bulletin features refrigerators	222	May
Window and store display bulletin ready	165	Apr.
Wisconsin Utilities association, history of—J. M. Cadby	262	June

XU